



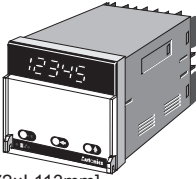
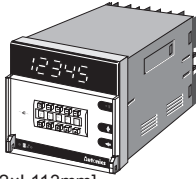
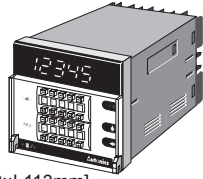


Product Overview

Series	LR5N-B	MP5S	MP5Y	MP5W
Appearances & Dimensions	 [W48×H24×L54mm]	 [W48×H48×L90mm]	 [W72×H36×L100mm]	 [W96×H48×L100mm]
Display method	LCD Zero Blanking type (Height: 8.7mm)	7 segment LED type (Character size: W4mm×H8mm)	7 segment LED type (Character size: W6.8mm×H13.8mm)	
Display range	Refer to the M-3 page	-19999 to 99999		
Power supply	Internal lithium battery	100-240VAC 50/60Hz (Allowable voltage range: Max. 90~110%)		
Power for external sensor	—	12VDC ±10%, 80mA		
Input frequency	—	<ul style="list-style-type: none"> Solid-state input: Max. 50kHz (Min. pulse width: 10μs) Contact input: Max. 45Hz (Min. pulse width: 11ms) 		
Input specification	[No-voltage input] • Impedance at short-circuit: 10kΩ (ON), residual voltage: Max.0.5V • Impedance at open-circuit: 500kΩ (OFF) [Voltage input 1] High: 4.5-30V DC, Low: 0-2VDC U3-30VAC [Voltage input 2] 30-240VAC	[Voltage input] Input impedance: 4.5kΩ, High level: 4.5-24VDC, Low level: 0-1.0VDC [No-voltage input] Impedance at short-circuit: Max. 300Ω, Residual voltage at short-circuit: Max. 1V Impedance at open-circuit: Min. 100kΩ		
Measurement range	1 to 1000RPM, 0.1 to 1000.0RPM, 1 to 1000RPS, 1 to 1000Hz, 0.1 to 100.0Hz	<ul style="list-style-type: none"> Mode F1, F2, F7, F8, F9, F10: 0.0005Hz to 50kHz Mode F3: 0.02s to 3,200s, •Mode F2, F5, F6: 0.01s to 3,200s Mode F11, F12, F13: 0 to 4 ×10⁹ Count 		
Measurement accuracy	F.S. ±0.1% ±1digit	<ul style="list-style-type: none"> Mode F1, F2, F7, F8, F9, F10: F.S. ±0.05% rdg ±1digit Mode F3, F4, F5, F6: F.S. ±0.01% rdg ±1digit 		
Display period	—	0.05 / 0.5 / 1 / 2 / 4 / 8sec (It is same with period of output update.)		
Prescale function	—	Direct input method (0.0001×10 ⁻⁹ to 9.9999×10 ⁹)		
Main output	—	—	<ul style="list-style-type: none"> Relay contact output (Triple output, Quintuple output) Transistor output (NPN/PNP open collector) 	
Sub output (Transmission)	—	—	<ul style="list-style-type: none"> Low speed serial output • BCD dynamic output PV transmission output (DC4-20mA) RS485 communication output (32 channels) 	
Reference	M-3 to 5	M-6 to 28		

Series	MP5M		
Model	MP5M-4N	MP5M-41	MP5M-42
Appearances & Dimensions	 [W72×H72×L113mm]	 [W72×H72×L113mm]	 [W72×H72×L113mm]
Display method	7 segment LED type (Character size: W4mm×H8mm)		
Display range	0.0001 to 99999		
Power supply	100-240VAC 50/60Hz (Allowable voltage range: Max. 90 to 110%)		
Power for external sensor	12VDC ±10%, 80mA		
Input frequency	<ul style="list-style-type: none"> Solid-state input: Max. 50kHz (Min. pulse width:10μs) Contact input: Max. 45Hz (Min. pulse width: 11ms) 		
Input specification	[Voltage input] High Level: 4.5-24VDC, Low Level: 0-1.0VDC, Input impedance: 4.5kΩ [No-voltage input] Impedance at short-circuit: Max. 300Ω, Residual voltage at short-circuit: Max. 1V Impedance at open-circuit: Min. 100kΩ		
Measurement range	<ul style="list-style-type: none"> Mode F1, F2, F7, F8.: 0.0005Hz to 50kHz Mode F3: 0.02s to 3,200 Mode F4, F5, F6: 0.01s to 3,200s Mode F9, F10, F11: 0 to 4 ×10⁹ Count 		
Measurement accuracy	<ul style="list-style-type: none"> Mode F1, F2, F7, F8: F.S. ±0.05% rdg ±1digit Mode F3, F4, F5, F6: F.S. ±0.01% rdg ±1digit 		
Display period	0.05 / 0.5 / 1 / 2 / 4 / 8sec. (It is same with period of output update.)		
Prescale function	Direct input method (0.0001×10 ⁻⁹ to 9.9999×10 ⁹)		
Main output	<ul style="list-style-type: none"> High-limit setting type - Contact: 250VAC 3A resistive load 1c, Non-contact: 30VDC min. 100mA (NPN open collector) High/Low-limit setting type - Contact: Each High/Low-limit 250VAC 3A resistive load 1a, Non-contact: Each High/Low-limit 30VDC max. 100mA (NPN open collector) 		
Reference	M-6 to 28		